

ABSTRACT OF DISCLOSURE

The present invention aims at maintaining the high focusing performance with a low deflection power in a projection tube which is used as a projection type TV receiver or a projector and is operated at a high voltage and with a single-electron-beam high current. A neck outer diameter of a portion on which a deflection yoke is mounted is made smaller than a neck outer diameter of a portion which accommodates an electron gun. A final electrode of the electron gun has a diameter thereof gradually decreased toward a phosphor screen. The maximum anode voltage of the projection tube is set to equal to or more than 25 KV and the maximum beam current is set to equal to or more than 4 mA.